

Notice of Allowability

Application No.

09/688,375

Examiner

Taghi T. Arani

Applicant(s)

CANDELORE ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/21/2005.
2. ☒ The allowed claim(s) is/are 1-7, 17 and 18.
3. ☒ The drawings filed on 10 October 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date Feb 14, 2002
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. William Schaal on June 8, 2005.

Replace Claims 1, 2,3 and 5 with claims 1, 2, 3 and 5 below.

1. (Currently Amended) A conditional access (CA) system comprising:
a computing resource implemented within a host, the computing resource configured to run a second conditional access (CA) protocol instead of a first CA protocol used for communication with a device operating as a smart card ~~smart card~~;

a smart card interface being an interface for the host, the smart card interface adapted to receive and transfer signaling with the device; and

a software wrapper implemented within the host, the software wrapper ~~configured to~~ transform information in a format compatible with the first CA protocol, the information comprises control information including entitlement management mode (EMM) messages, entitlement control messages and service information, into information in a format compatible with ~~couple the smart card interface to~~ the second CA protocol, the second CA protocol operating to alter signaling from the device and received by the smart card interface as if a Personal Computer Memory Card International Association (PCMCIA) card provided such signaling.

2. (Currently Amended) The CA system of claim 1, wherein the second CA protocol is OpenCable™ Host Point Of Deployment Interface Specification (POD) ~~a NRSS-B protocol~~.

Art Unit: 2131

3. (Currently Amended) The CA system of claim 1, wherein the second CA protocol is selected from the group consisting of National Renewable Security Standard Part B (NRSS-B), OpenCable™ Host Point Of Deployment Interface Specification (POD), Common Interface Specification for Conditional Access and other Digital Video Broadcasting Decoder Applications (CI), and Conditional Access System for Terrestrial Broadcast (ATSC-A70).

5. (Currently Amended) A smart card interface comprising:
a smart card receptacle adapted for physically coupling to a smart card, the smart card receptacle to communicate smart card signals in a format compatible with a first conditional access (CA) protocol;
a Personal Computer Memory Card International Association (PCMCIA) Application Programming Interface (API); and
a ~~software~~ wrapper interfacing the smart card signals and the PCMCIA API, the software wrapper configured to transform information in a format compatible with the first CA protocol into information in a format compatible with a second CA protocol in order to alter signaling from the smart card and received by the smart card receptacle as if a Personal Computer Memory Card International Association (PCMCIA) card provided such signaling, the transformation includes demultiplexing entitlement management mode (EMM) messages, entitlement control messages or service information.

Examiner's Statement of Reasons for Allowance

Claims 1-7, 17-18 are allowed over prior art.

The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.

None of the prior art of record, either taken by itself or in any combination, would have anticipated or made obvious the invention of the present application at or before the time it was filed. The subject matter regarded as allowable by the examiner is found in claims 1, 5 and 17,

Art Unit: 2131

wherein a software wrapper transforms information in a format compatible with the first CA protocol (an ISO 7816 smart) by alter signaling into information in a format compatible with the second CA protocol (NRSS-B) as if a PCMCIA provided such signaling.

The Examiner notes that trade marks or trade names in the application are used to identify the source of the trade marks or trade names and not the trade marks or trade names themselves (MPEP 608.01(v)).

Depended claims 2-4, 6-7 and 18 are also allowed by virtue of their dependencies.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Prior arts made of record, not relied upon:

WO 00/16179 to Marandi Mart et al.

SCM Microsystems enables Microsoft Windows Smart Card-based Security Readers 'Designed for Windows NT and Windows 98', BusinessWire, New York, Feb.16,1999,pg 1.

NEW DEAL For SMART CARDS, MACHINE DESIGN, JUNE 11, 1993, downloaded from the internet 6/7/2005.

Approaches to Electronic Miniaturization, H. M. B. Bird, IEEE TRANSACTION ON COMPONENTS, PACKAGING, AND MANUFACTURING TECHNOLOGY,PART A, vol. 18, no. 2, JUNE 1995.

Art Unit: 2131

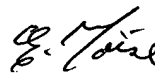
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taghi T. Arani whose telephone number is (571) 272-3787. The examiner can normally be reached on 8:00-5:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Taghi T. Arani, Ph.D.
Examiner
Art Unit 2131



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